

# BOYA ZHANG

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## EDUCATION

**Université de Genève**, Faculty of Medicine, *Doctoral Researcher* 2021.11 - | Geneva, Switzerland  
Research Group: Data Science for Digital Health (DS4DH)

**Vrije Universiteit Brussel & Université Libre de Bruxelles**  
Brussels School of Engineering 2018.9 - 2021.02 | Brussels, Belgium  
*Master of Science in Electrical Engineering, Graduated with Distinction*

**Northwestern Polytechnical University** 2015.9 - 2019.6 | Xian, China  
*Bachelor of Engineering in Information Engineering, Awarded Outstanding Student and Honors Scholarship*

## EXPERIENCE

**Research Assistance at ETH Zürich** Jun 2021 - Oct 2021 | Zürich, Switzerland  
GESS, Center for Law and Economics  
Keywords: Natural Language Processing, Claim Verification, Text Classification

## RESEARCH

- Research Interest: Artificial Intelligence, Health Misinformation Detection
- First Author Paper
  - DS4DH at MEDIQA-Chat 2023: Leveraging SVM and GPT-3 Prompt Engineering for Medical Dialogue Classification and Summarization | *Association for Computational Linguistics (ACL)*, 2023
  - DS4DH at TREC Health Misinformation 2021: Multi-Dimensional Ranking Models with Transfer Learning and Rank Fusion | *Text REtrieval Conference (TREC)*, 2021
- Co-Author Paper
  - The Choice of Knowledge Base in Automated Claim Checking | *ACM Journal of Data and Information Quality*, 2023
  - Cluster Analysis of Low-Dimensional Medical Concept Representations from Electronic Health Records | *International Conference on Health Information Science*, 2022
- Duty - Reviewer for ClinicalNLP 2023

## SKILL

- Programming: Python, PyTorch, TensorFlow, C/C++, MATLAB/R, LaTeX
- Communication: Chinese (Native), English (Professional), French (Beginner)

## RANDOM

- Awarded *Honorable Mention* in COMAP Mathematical Contest in Modeling by COMAP USA, 2018.
- Awarded *Best Crisis Delegation* at Asian International Model United Nations Conference in Beijing, 2017.
- Served as a *Volunteer Staff* at the 21st China-EU Summit in Brussels, Belgium in 2019.
- Served as a *Referee* in the 15th NPU Uni Tennis Competition in Xi'an, 2017.
- Hobby: Music, Cycling, Tennis